

WHAT IS CLAIMED IS:

1. A reflective liquid crystal display device comprising:
 - a semiconductor substrate;
 - at least one pair of pixel switching transistor and a capacitor formed on the semiconductor substrate and electrically isolated from each other;
 - a first interlayer insulating layer formed on the pixel switching transistor and the capacitor;
 - a wiring layer formed on the first interlayer insulating layer;
 - a second interlayer insulating layer formed over the wiring layer;
 - a light shielding layer formed on the second interlayer insulating layer;
 - a third interlayer insulating layer formed over the light shielding layer;
 - at least one pixel electrode formed on the third interlayer insulating layer;
 - a common electrode formed over the pixel electrode;
 - a liquid crystal layer provided between the pixel electrode and the common electrode;
 - a light-transmissive substrate formed on the common electrode; and
 - at least one anti-reflection layer formed on either the wiring layer or the light shielding layer, the anti-reflection layer being a double layer of a metallic film and a silicon oxynitride film that exhibits a refraction index different from a refraction index of the third interlayer insulating layer.

2. The reflective liquid crystal display device according to claim 1 further comprising a first anti-reflection layer formed on the wiring layer and a second anti-reflection layer formed on the light shielding layer, each anti-reflection layer being a double layer of a metallic film and a silicon oxynitride film that exhibits a refraction index different from a refraction index

of the third interlayer insulating layer.

3. The reflective liquid crystal display device according to claim 1, wherein the metallic film is a metallic nitride film.

4. The reflective liquid crystal display device according to claim 1, wherein the metallic film is a titanium film.

5. The reflective liquid crystal display device according to claim 4, wherein the titanium film is a titanium nitride film.

6. The reflective liquid crystal display device according to claim 1, wherein the refraction index of the silicon oxynitride film is in the range from 1.7 to 1.9.

7. The reflective liquid crystal display device according to claim 1, wherein a thickness of the silicon oxynitride film is in the range from 400 to 600 Å.